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SFUND RECORDS CTR
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MEMORANDUM

TO: Rachel Loftin
Site Assessment Manager
Site Evaluation and Grants Section, H-8-1

THROUGH: Richard Bauer *RB*
Environmental Scientist
Quality Assurance Management Section (QAMS), P-3-2

FROM: Margie D. Weiner *MDW*
Senior Data Review Oversight Chemist
Environmental Services Assistance Team (ESAT)

DATE: February 3, 1994

SUBJECT: Submission of Unvalidated Data

Tables 1A and 1B, which contain the Unvalidated Data and Data Reporting Qualifiers for Pacific Fruit Express, Case 21433 Memo #04, have been sent to the sampler, John Robertson of ADEQ. The full data validation report will be delivered as soon as possible.

If you have any questions, please contact Margie D. Weiner (ICF/ESAT) at (415)882-3061 or Rich Bauer (QAMS/EPA) at (415)744-1499.

cc: John Robertson, ADEQ
Fax No. (602) 207-4236

ANALYTICAL RESULTS

Page 1 of 2

TABLE 1A

Case No.: 21433 Memo #04

Site: Pacific Fruit Express

Lab.: TMA/Skinner & Sherman Labs., Inc. (SKINER)

UNVALIDATED DATA

Analysis Type: Low Concentration Soil Samples
for RAS Total Metals and Cyanide

Reviewer: Lorena Molina, ESAT/ICF Kaiser

Date: February 3, 1994

Concentration in mg/Kg

Station Location Sample I.D. Date of Collection	P-24 MYM957 D1* 12/23/93			P-1 MYM958 BG 12/23/93			P-2 MYM959 BG 12/23/93			P-3 MYM960 D2 12/23/93			P-26 MYM961 D2 12/23/93			Lab Blank			MDL		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	9040			9930			9960			9790			9100			4.7 L			3.2		
Antimony	3.0 U			2.9 U			2.8 U			2.9 U			2.8 U			2.7 U			2.7		
Arsenic	7.5			7.8			8.8			6.5			7.8			0.60 U			0.60		
Barium	153			99.5			35.9 L			176			73.2			1.2 U			1.2		
Beryllium	0.52 L			0.60 L			0.60 L			0.59 L			0.58 L			0.02 U			0.02		
Cadmium	0.22 U			0.21 U			0.21 U			0.21 U			0.21 U			0.20 U			0.20		
Calcium	58900			72700			57400			81000			86300			15.1 L			13.4		
Chromium	10.4			8.8			8.3			11.8			8.2			1.1 U			1.1		
Cobalt	4.1 L			4.3 L			4.1 L			3.9 L			3.8 L			0.40 U			0.40		
Copper	12.4			12.5			11.7			11.9			9.3			1.0 U			1.0		
Iron	7420			7950			7610			7300			6730			14.5 L			1.0		
Lead	15.4			6.7			6.8			7.2			6.1			0.36 U			0.36		
Magnesium	5670			6050			7200			7000			6820			14.3 L			8.9		
Manganese	147			177			181			126			129			0.24 U			0.24		
Mercury	0.06 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05		
Nickel	56.2			10.3			7.2 L			12.7			7.0 L			0.94 U			0.94		
Potassium	2050			2500			2300			2100			1900			25.9 U			25.9		
Selenium	0.62 U			0.60 U			0.58 U			0.59 U			0.58 U			0.56 U			0.56		
Silver	0.91 U			0.87 U			0.85 U			0.87 U			0.84 U			0.82 U			0.82		
Sodium	1470			403 L			391 L			264 L			300 L			87.1 L			5.8		
Thallium	0.82 U			0.79 U			0.77 U			0.79 U			0.76 U			0.74 U			0.74		
Vanadium	25.8			29.4			34.7			28.2			28.9			0.50 U			0.50		
Zinc	26.9			24.7			23.9			24.3			22.1			0.40 U			0.40		
Cyanide	0.58 U			0.51 U			0.51 U			0.50 U			0.52 U			0.50 U			N/A		
Percent Solids	85.3 %			92.9 %			91.9 %			92.4 %			91.8 %			N/A			N/A		

*Results for MYM956 are in Case 21433 Memo #02, SDG MYM942

Val-Validity Refer to Data Qualifiers in Table 1B

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

UNVALIDATED DATA

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Analysis Type: Low Concentration Soil Samples
for RAS Total Metals and Cyanide

Concentration in mg/Kg

Case No.: 21433 Memo #04
Site: Pacific Fruit Express
Lab.: TMA/Skinner & Sherman Labs., Inc. (SKINER)
Reviewer: Lorena Molina, ESAT/ICF Kaiser
Date: February 3, 1994

[illegible]

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

N/A-Not Applicable

UNVALIDATED DATA

Table 1B

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value	If the result is a value greater than or equal to the detection limit, report the value.
U	Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit). The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g., 10J). If limit of detection is 10 ug/L and a concentration of 3 ug/L is calculated, reported as 3J.
L	Results have been qualified because they fall between the Contract Required Quantitation Limit (CRQL) and the Instrument Detection Limit (IDL). These are results for compounds which are present, but are quantitatively unreliable due to the uncertainty of analytical precision close to the detection limit. (In Region 9, this qualifier replaces the brackets formerly used with inorganic results and it is not used with organic results).
C	This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥ 10 ng/uL in the final extract should be confirmed by GC/MS.
B	This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
E	Value exceeds linear range of instrument calibration.
Other	Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

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[Signature]

MEMORANDUM

TO: Rachel Loftin
Site Assessment Manager
Site Evaluation Section, H-8-1

THROUGH: Richard Bauer *RB*
Environmental Scientist
Quality Assurance Management Section (QAMS), P-3-2

FROM: Margie D. Weiner *MDW*
Senior Data Review Oversight Chemist
Environmental Services Assistance Team (ESAT)

DATE: February 1, 1994

SUBJECT: Submission of Unvalidated Data

Tables 1A and 1B, which contain the Unvalidated Data and Data Reporting Qualifiers for Pacific Fruit Express, Case 21433 Memo #02 and Case 21433/8236Y-01 Memo #03, have been sent to the sampler, John Robertson of ADEQ. The full data validation report will be delivered as soon as possible.

If you have any questions, please contact Margie D. Weiner (ESAT/ICF) at (415) 882-3061, or Rich Bauer (QAMS/EPA) at (415) 744-1499.

cc: John Robertson, ADEQ
Fax No. (602) 207-4467